



**NOTICE OF ACCEPTANCE (NOA)**

**Dorma Automatics, Inc.**

**924 Sherwood Drive**

**Lake Bluff, IL 60044**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "ESA 300" Aluminum Automatic Sliding Glass Door (So-Sx-Sx-So) w/ Breakout**

**APPROVAL DOCUMENT:** Drawing No. **05-DOA-0004**, titled "ESA 300 Series Automatic Sliding Glass Doors (Large Missile-Impact Resistant)", sheets 1 through 4 of 4, prepared by Engineering Express, dated 05/09/06, and last revised on 11/05/2012, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**Limitations:**

1. See applicable Design Pressure rating per glazing type B, C or D in sheet 1. The optional Panic G-86 device is limited to +/- 45 PSF ratings.
2. Fixed panel top Rails to be secured with #10x 3/4"SMS @6" OC at Head and bottom Rail with #10x 3/4"SMS @6" OC at bottom guide.
3. Electrical devices are not part of this approval and must be reviewed by corresponding authority.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **11-1213.06** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



**NOA No. 12-1101.01**

**Expiration Date: February 01, 2017**

**Approval Date: January 24, 2013**

**Page 1**

11/15/12

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (Submitted under file # **11-0502.05**)
2. Drawing No. **12-174** (Former #**11-089**), "Series 9300 Impact" Sheets 1 through 4 of 4, prepared by EngCo. Inc., 08-27-2012, signed and sealed by Pedro De Figueiredo, P.E.

Note: This revision consists of FBC 2010 & Dwg No. changes notes only.

**B. TESTS (Submitted under file # **11-0502.05** / #**06-0202.02**)**

1. Test reports on
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistant Test per FBC, TAS 202-94 (Not Performed)
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with installation diagram of an automatic aluminum sliding glass door, prepared by Hurricane Test Laboratory, LLC Test Report No. **HTL 0368-0807-05** and **HTL 0368-0808-05**, both dated 11/28/05 signed and sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Engco, Inc, dated 11/27/05, signed and sealed by Pedro De Figueiredo, P.E. (Submitted under file # **11-0502.05** / #**06-0202.02**)
2. Glazing complies w/ ASTM E-1300-02 & -04.

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

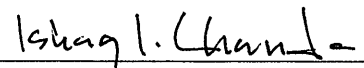
1. Notice of Acceptance No. **12-1009.02** (**#08-1118.07**) issued to Oldcastle Building Envelope Inc. (NJ) (Former Oldcastle Glass, Inc) for "Storm Glass used for lamination glass", expiring on 12/11/2013.
2. Notice of Acceptance No. **08-0520.08** issued to Solutia, Inc for "Vanceva Composites used for lamination glass", expiring on 12/11/2013.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2010 and letter of no financial interest, prepared by Engco, Inc, dated 11/27/2012, signed and sealed by Pedro De Figueiredo, P.E.
2. Statement letters of product conformance to FBC 2007, dated 04/29/11, signed and sealed by Pedro De Figueiredo, P.E. (Submitted under file # **11-0502.05**)
3. Lab compliance as part of the above referenced test report.

**G. OTHER**

1. This NOA **revises** NOA # **11-0502.05**, expiring on June 22, 2016.

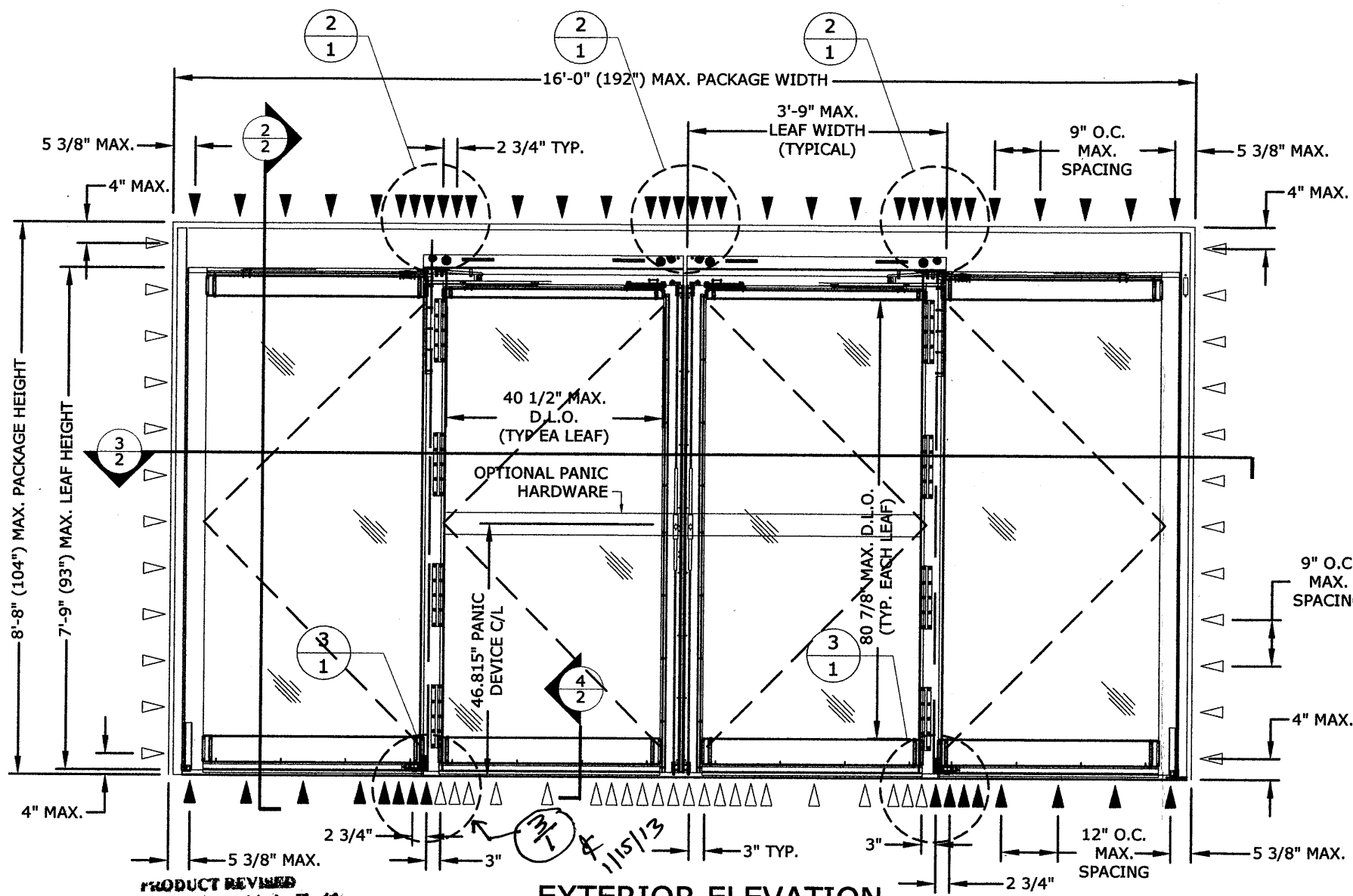


Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 12-1107.01

Expiration Date: June 22, 2016  
Approval Date: January 24, 2013

# ESA 300 AUTOMATIC SLIDING GLASS DOOR

LARGE MISSILE IMPACT RESISTANT - FULL BREAKOUT

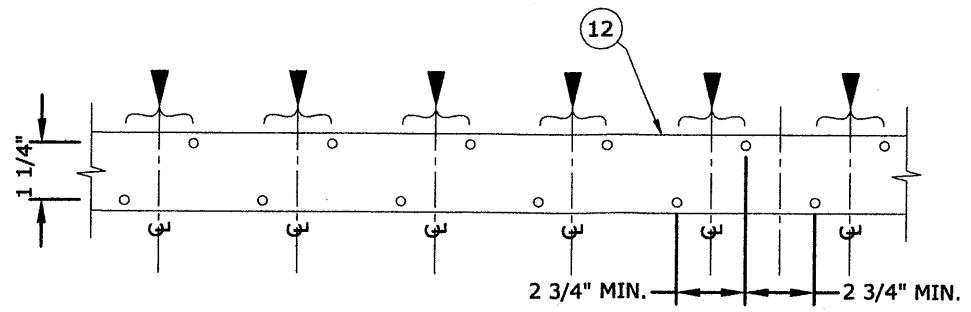


PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-1101-01  
Expiration Date Feb 01, 2017  
By [Signature]  
Miami Dade Product Council

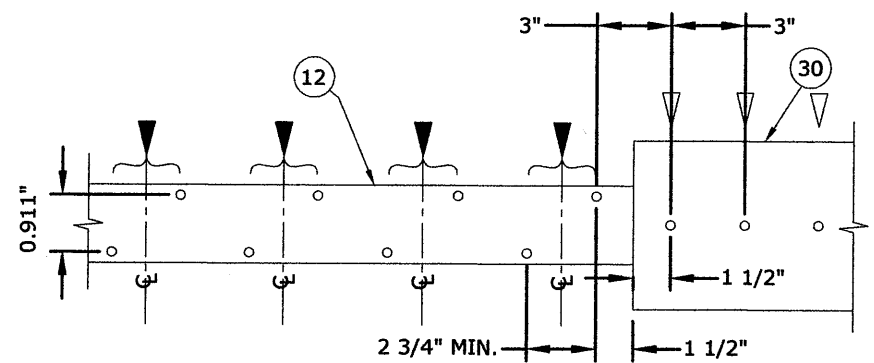
**EXTERIOR ELEVATION**  
**SO-SX-SX-SO (CONFIGURATION)**  
1 N.T.S. ELEV.

## ANCHOR LEGEND:

- ▽ INDICATES SINGLE ANCHOR (INLINE)
- ▼ INDICATES STAGGERED PAIR OF ANCHORS (CENTERLINE SHOWN ON ELEVATION)



**2 HEAD CLUSTER**  
1 N.T.S. PLAN VIEW



**3 SILL CLUSTER**  
1 N.T.S. PLAN VIEW

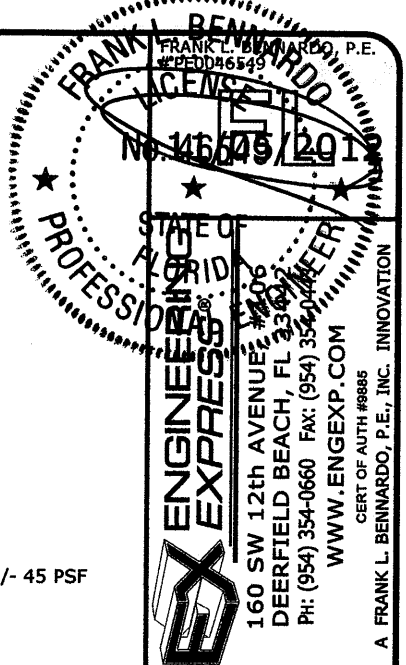
| DESIGN PRESSURE RATING |   |   |               |
|------------------------|---|---|---------------|
|                        | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED. | WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED. |               |
| GLAZING TYPES          | "B", "C" OR "D" *                               | "B" *   | "C" OR "D" ** |
| POSITIVE               | NOT APPROVED                                    | + 45.0 PSF  | + 52.4 PSF ** |
| NEGATIVE               | NOT APPROVED                                    | - 45.0 PSF  | - 52.4 PSF ** |

\* SEE GLAZING SCHEDULE ON SHEET "2"

\*\* NOTE: WHEN OPTIONAL PANIC HARDWARE IS USED, MAXIMUM DESIGN PRESSURE IS +/- 45 PSF

## GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED & DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE - HIGH VELOCITY HURRICANE ZONE (HVHZ) - AND HVHZ TEST PROTOCOL TAS 201, 202 & 203 AS LARGE MISSILE IMPACT RESISTANT SYSTEM.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR  $C_d=1.6$  HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE & NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. WHERE SITE CONDITIONS DIFFER FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND ADDITIONAL IMPOSED LOADS. WOOD BUCKS NOT BY THIS PRODUCT MANUFACTURER SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE HOST STRUCTURE.
6. THE PRODUCT DETAILED HEREIN HAS BEEN DESIGNED AND TESTED TO THE MAXIMUM SPANS & LOADS SHOWN ON THESE DRAWINGS.
7. ALL ALUMINUM EXTRUSIONS ARE 6063-T5 OR 6063-T6 ALUMINUM.
8. ALL UNITS ARE LARGE MISSILE IMPACT RESISTANT AND DO NOT REQUIRE IMPACT RESISTANT SHUTTERS FOR ALL EXTERIOR DOOR INSTALLATIONS.
9. ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, SPACED AS NOTED HEREIN. ANCHOR EMBEDMENT TO BASE MATERIAL DOES NOT INCLUDE WALL DRESSING OR STUCCO.
10. ALL BOLTS & WASHERS SHALL BE ZINC COATED, GALVANIZED, OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI, EXCEPT INSTALLATION ANCHORS.
11. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR COATED.
12. STRUCTURAL SILICONE ADHESIVE IS APPLIED ATOP OF HEADER, JAMBS, AND BELOW SIDE GUIDE, SPACER, AND THRESHOLDS.



**DORMA AUTOMATICS**

924 SHERWOOD DRIVE  
LAKE BLUFF, ILLINOIS 60044  
WWW.DORMA-USA.COM



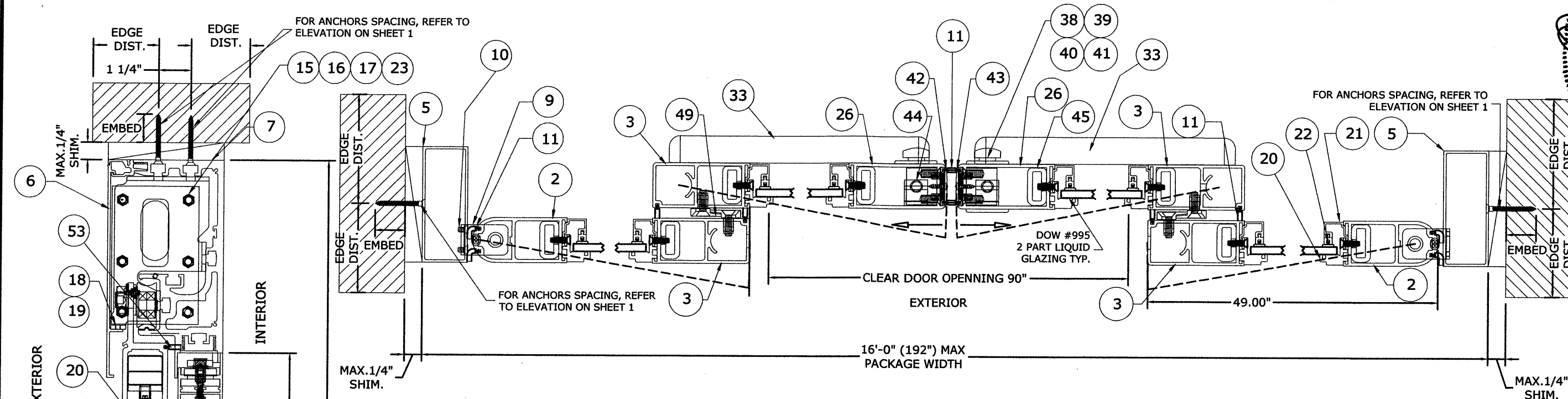
ESA 300 SERIES  
AUTOMATIC SLIDING GLASS DOORS  
(LARGE MISSILE IMPACT RESISTANT)

| DATE     | DRWN | CHKD | DATE     |
|----------|------|------|----------|
| 05/08/06 | AML  | CL   | 05/08/06 |
| 11/06/06 | AML  | CL   | 11/06/06 |
| 01/16/08 | RKB  | CL   | 01/16/08 |
| 03/09/12 | KL   | FLB  | 03/09/12 |
| 11/03/12 | KL   | FLB  | 11/03/12 |

REMARKS:  
INIT ISSUE  
BCCO COMMENTS  
2007 FBC  
2010 FBC  
REVISE FOR PANIC HDWR

05-DOA-0004

SCALE: N.T.S. 04  
PAGE DESCRIPTION:



#### ANCHOR SCHEDULE:

- 1/4" ITW TAPCONS WITH 1 3/4" MIN. EMBED. INTO MIN. 3000 PSI CONCRETE.
- 1/4" GRADE 5 METAL SCREWS TO A36 STEEL OR MIN. 6063-T5 ALUM. ALLOY (1/8" MIN. THICK)
- 1/4" GRADE 5 METAL SCREWS WITH 1 1/2" MIN. THREAD PENETRATION TO WOOD, 1" MIN. EDGE DISTANCE (FOR 2X WOOD BUCK ONLY)

#### ANCHOR NOTES:

1. SEE EXTERIOR ELEVATION FOR ANCHOR LOCATIONS AND/OR SPACING.
2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
3. ENSURE MINIMUM 2-1/2" EDGE DISTANCE FOR ALL ANCHORS TO CONCRETE. EDGE DISTANCE OF 1/2" IS ACCEPTABLE FOR ANCHORS TO STEEL OR ALUMINUM.
4. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
5. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
6. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.

### TYPICAL HORIZONTAL SECTION SO-SX-SX-SO (CONFIGURATION)

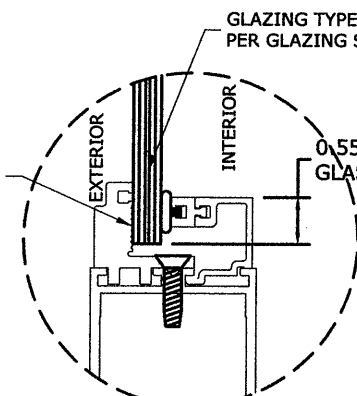
3 N.T.S. HORIZ. SECTION

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 12-1161.01  
Expiration Date 2/1/17  
By [Signature]  
Manual Date Product Control

DOW CORNING  
995 SILICONE  
STRUCTURAL  
SEALANT

GLAZING TYPES "B", "C" OR "D"  
PER GLAZING SCHEDULE

0.550" MIN.  
GLASS BITE

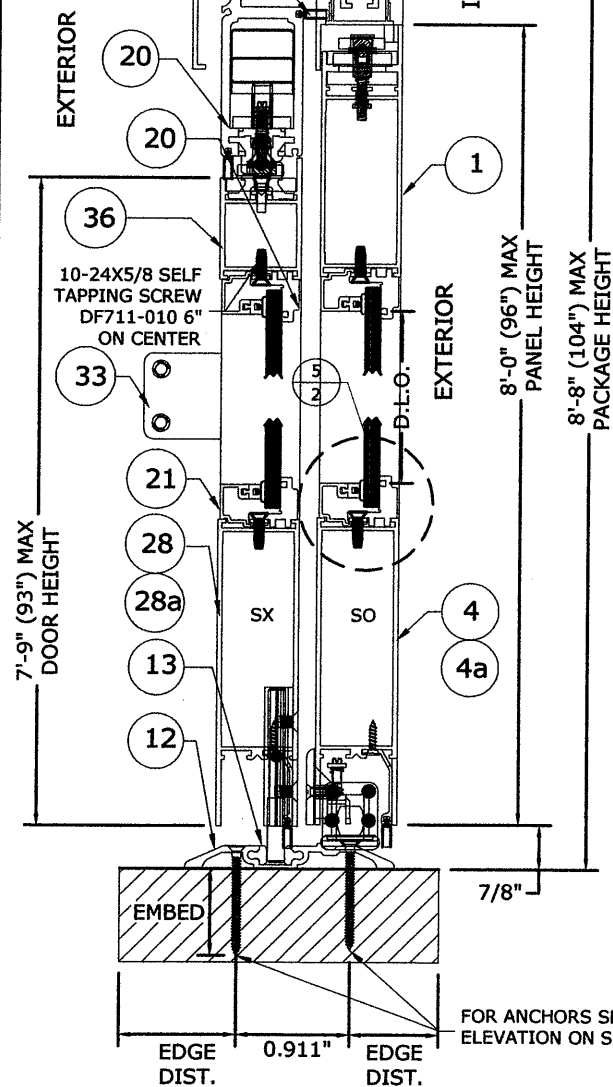


### GLAZING DETAIL

5 N.T.S. DETAIL

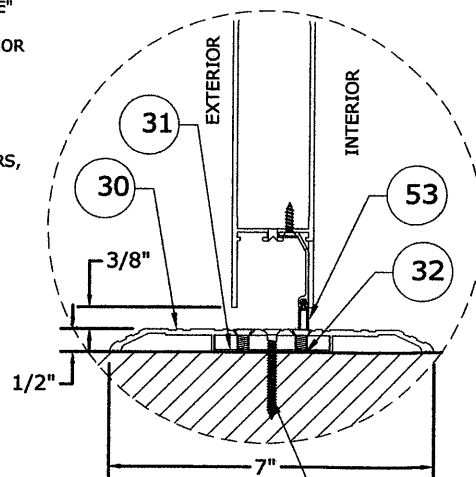
#### GLAZING SCHEDULE:

- (B) 1/4" HS - 0.045 DUPONT BUTACITE PVB INTERLAYER - 0.007" DUPONT ABRASION-RESISTANT POLYESTER
- (C) 1/8" HS - 0.075 SOLUTIA VANCEVA INTERLAYER - 1/8" HS
- (D) 1/4" HS - 0.075 SOLUTIA VANCEVA INTERLAYER - 1/4" HS



### TYPICAL VERTICAL SECTION (SHOWN IN OPEN POSITION)

2 N.T.S. VERT. SECTION



### BI-PART THRESHOLD

4 N.T.S. VERT. SECTION

**FRANK L. BENNARDI, P.E.**  
#11052012  
STATE OF FLORIDA  
ENGINEER  
160 SW 12th AVENUE, #11442  
DEERFIELD BEACH, FL 33442  
Ph: (954) 354-0660 Fax: (954) 354-0443  
WWW.ENGP.COM  
CERT. OF AUTH. #9885  
A FRANK L. BENNARDI, P.E., INC. INNOVATION

**DORMA AUTOMATICS**  
924 SHERWOOD DRIVE  
LAKE BLUFF, ILLINOIS 60044  
WWW.DORMA-USA.COM  
ESA 300 SERIES  
AUTOMATIC SLIDING GLASS DOORS  
(LARGE MISSILE IMPACT RESISTANT)

| REMARKS               | DATE     | DRWN | CHKD |
|-----------------------|----------|------|------|
| INIT ISSUE            | 05/09/06 | AML  | CL   |
| BCCO COMMENTS         | 11/08/06 | AML  | CL   |
| 2007 FBC              | 01/16/08 | RKB  | CL   |
| 2010 FBC              | 03/09/12 | KL   | FLB  |
| REVISE FOR PANIC HDWR | 11/03/12 | KL   | FLB  |

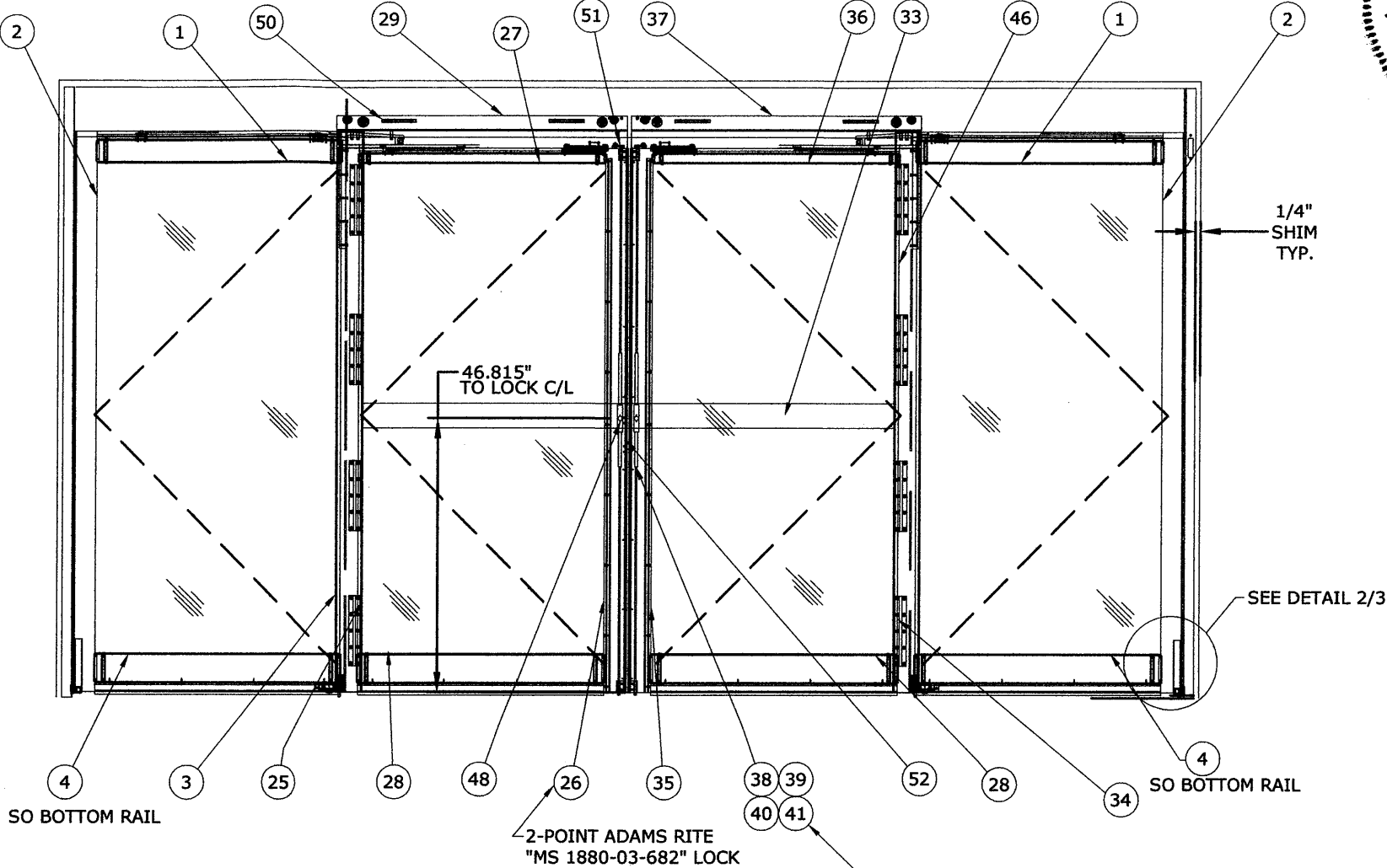
05-DOA-0004

SCALE: N.T.S. 04

PAGE DESCRIPTION:

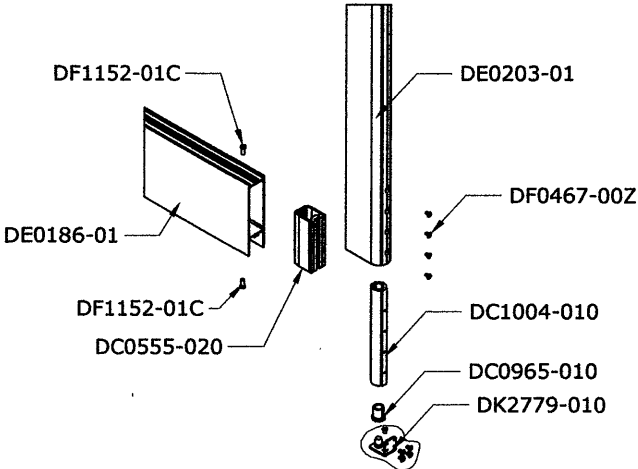
BILL OF MATERIALS

| ITEM | PART NUMBER | DESCRIPTION                                       | QTY |
|------|-------------|---|-----|
| 1    | DE0199-03   | SO TOP RAIL ASSEMBLY ESA300                       | 2   |
| 2    | DE0203-01   | SO PIVOT ASSEMBLY ESA300                          | 2   |
| 3    | DE0202-01   | SO INTERLOCK / PIVOT RAIL ASSEMBLY ESA300         | 2   |
| 4    | DE0186-01   | SO BOTTOM RAIL ASSEMBLY ESA300                    | 2   |
| 4a   | DE0187-02   | 9 1/4" ALTERNATE O BOTTOM RAIL PANEL              | 2   |
| 5    | DE0200-01   | JAMB DOUBLE POCKET                                | 1   |
| 6    | DE0158-03   | HEADER FACEPLATE                                  | 1   |
| 7    | DE0155-04   | HEADER ASSEMBLY (REGULAR)                         | 1   |
| 8    | DE0159-02   | HEADER ADAPTER                                    | 1   |
| 9    | DS1979-010  | SO BTM PIVOT ASSEMBLY                             | 2   |
| 10   | DF0628-00G  | 10-24X3/4 PHILPS FL CS.SS                         | 8   |
| 11   | DE2212-020  | WEATHERSTRIP "13.4mm"                             | 16  |
| 12   | DE0195-010  | BOTTOM TRACK                                      | 1   |
| 13   | DE0234-010  | TRACK CAP   | 1   |
| 14   | DC2185-010  | SIDE CARRIER                                      | 2   |
| 15   | DC1498-010  | HEADER BACK BLOCK                                 | 2   |
| 16   | DF0728-01Z  | 1/4-20X1" HX-HD MS GR5 ZINC                       | 10  |
| 17   | DF0939-01Z  | A6.4(M6) SPRING WASHER ZINC                       | 10  |
| 18   | DC0831-010  | COVER HOLDING BAR                                 | 1   |
| 19   | DF0999-01Z  | 10-24X3/4" PH FL HD UNC ZINC                      | 4   |
| 20   | DE1767-010  | GLASS STOP EXT.                                   | 1   |
| 21   | DE0210-010  | GLASS STOP 1/4" SNAP                              | 1   |
| 22   | DE0148-020  | GLAZING BEAD CO-EXTRUSION                         | 1   |
| 23   | DF0385-010  | RIVET NUT 1/4-20 SF UNC IFC STEEL                 | 10  |
| 26   | DE0201-02   | VERTICAL LOCK RAIL                                | 1   |
| 27   | DS1727-010  | SX TOP RAIL ASSEMBLY ESA300                       | 1   |
| 28   | DE0188-01   | SX BOTTOM RAIL ASSEMBLY ESA300                    | 2   |
| 28a  | DE0187-02   | 9 1/4" ALTERNATE SX BOTTOM RAIL ASSEMBLY          | 2   |
| 29   | DS1724-010  | CARRIER ASSEMBLY                                  | 1   |
| 30   | DE0246-01A  | THRESHOLD BI-PART (MACHINED)                      | 1   |
| 31   | DC0837-010  | BOTTOM PLATE                                      | 1   |
| 32   | DF0848-01Z  | 1/4-20X1/2 FL HD SOC SC ZINC                      | 4   |
| 33   | DC0982-01X  | ADAMS RITE 860 PANIC DEVICE (OPTIONAL)            | 2   |
| 34   | DS1831-010  | SX PIVOT ASSEMBLY ESA300                          | 1   |
| 36   | DE0162-020  | SX TOP RAIL ASSEMBLY ESA300                       | 1   |
| 37   | DS1833-010  | CARRIER ASSEMBLY                                  | 1   |
| 38   | DC0572-00A  | LOCK CYLINDER RING CLEAR/DC0572-00B               | 1   |
| 39   | DC0571-00A  | KEY LOCK CYLINDER -CLEAR/ DC0571-00B              | 1   |
| 40   | DC0621-00A  | THUMB KEY-CLEAR/ DC0621-00B-DARK BRONZE           | 1   |
| 41   | DC2057-010  | 3 POINTS CONVERTER ADAMS RITE P/N "MS 4016-20-02" | 1   |
| 42   | DC1766-010  | ASTRAGAL- L.H                                     | 1   |
| 43   | DC1701-010  | ASTRAGAL- R.H                                     | 1   |
| 44   | DC1497-010  | LATCH BLOCK                                       | 4   |
| 45   | DC1700-010  | PUSH BAR  | 2   |
| 46   | DS1827-010  | SO-INTERLOCK RAIL ASSEMBLY                        | 1   |
| 48   | DC2055-010  | 2 WAY BOLT ADAMS RITE P/N "MS 1880-03-682"        | 1   |
| 49   | DC0836-010  | BREAKOUT INTERLOCK CLIP                           | 4   |
| 50   | DC0838-010  | ANTI-DERAIL BLOCK                                 | 4   |
| 51   | DC1978-01Z  | BREAKOUT STOP                                     | 2   |
| 52   | DC2492-01Z  | CATCH PLATE                                       | 1   |
| 53   | DE0152-120  | BRUSH   | 1   |



1  
3  
EXTERIOR ELEVATION  
N.T.S. ELEV.

PRODUCT REVISED  
in compliance with the Florida  
Building Code  
Acceptance No 12-1101.01  
Expiration Date 2/1/17  
By [Signature]  
Initial Date Project Control



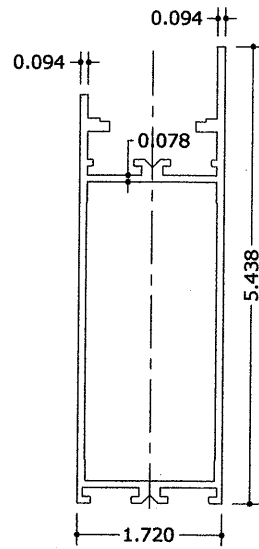
2  
3  
CORNER DETAIL  
N.T.S. ELEV.

FRANK L. BENNARDI, P.E.  
No. 46549  
11/05/2012  
STATE OF FLORIDA  
ENGINEERING  
EXPRESS  
160 SW 12th AVENUE, FL 33402  
DEERFIELD BEACH, FL 33442  
Ph: (954) 354-0660 FAX: (954) 354-0443  
WWW.ENGP.COM  
CERT OF AUTH #9885  
A FRANK L. BENNARDI, P.E., INC. INNOVATION

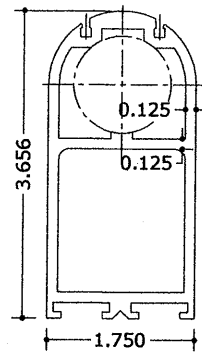
**DORMA AUTOMATICS**  
924 SHERWOOD DRIVE  
LAKE BLUFF, ILLINOIS 60044  
WWW.DORMA-USA.COM  
ESA 300 SERIES  
AUTOMATIC SLIDING GLASS DOORS  
(LARGE MISSILE IMPACT RESISTANT)

| REMARKS               | DATE     | CHKD | DATE     |
|-----------------------|----------|------|----------|
| INIT ISSUE            | 05/08/06 | CL   | 05/08/06 |
| BCCO COMMENTS         | 11/06/06 | CL   | 11/06/06 |
| 2007 FBC              | 01/16/08 | CL   | 01/16/08 |
| 2010 FBC              | 03/09/12 | FLB  | 03/09/12 |
| REVISE FOR PANIC HDWR | 11/03/12 | KL   | 11/03/12 |

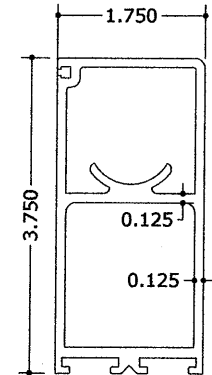
05-DOA-0004  
SCALE: N.T.S. 04  
PAGE DESCRIPTION:  
4



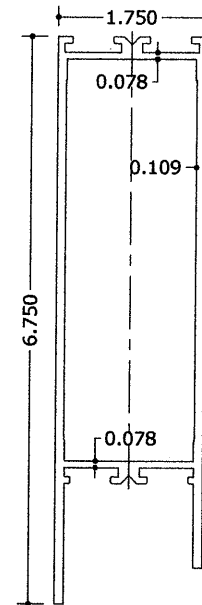
1 TOP RAIL O PANEL



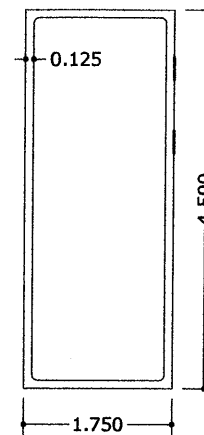
2 O - PIVOT RAIL



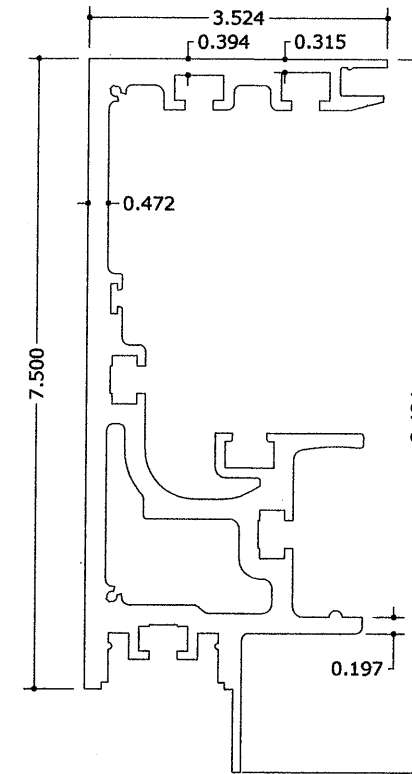
3 PIVOT RAIL / INTERLOCK RAIL



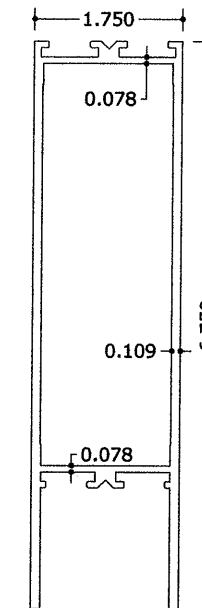
4 BOTTOM RAIL O PANEL



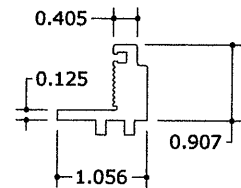
5 JAMB



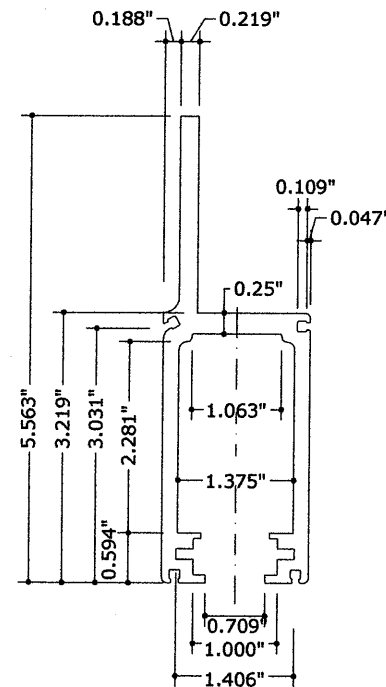
7 HEADER



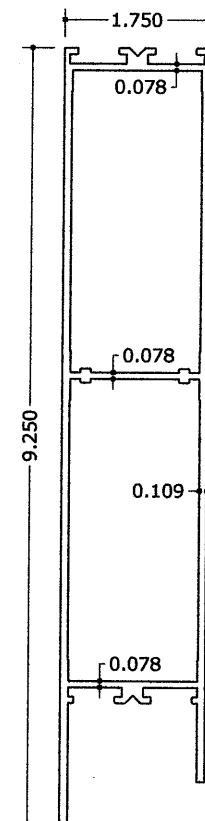
28 BOTTOM RAIL SX PANEL



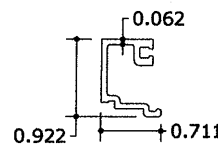
20 SECURITY GLASS TOP



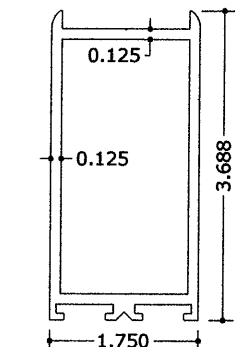
14 SIDE CARRIER



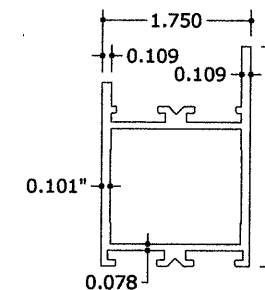
4a ALT 9/4" BOTTOM RAIL O PANEL



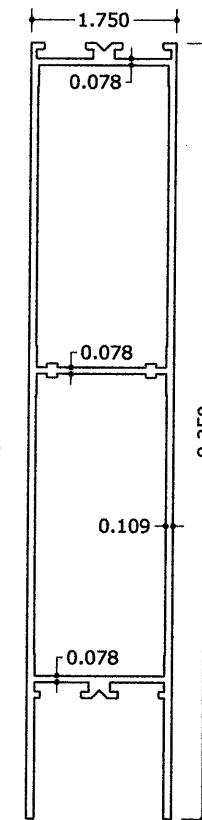
21 GLASS STOP 1/4" SNAP



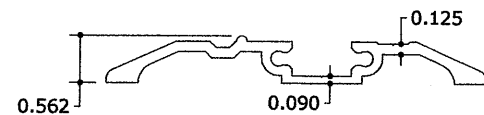
26 VERTICAL LOCK RAIL



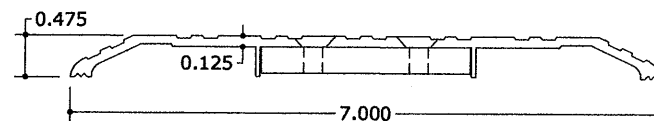
36 TOP RAIL SX PANEL



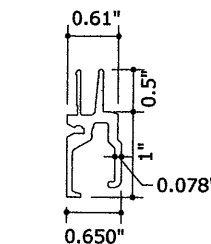
28a ALT 9/4" BOTTOM RAIL SX PANEL



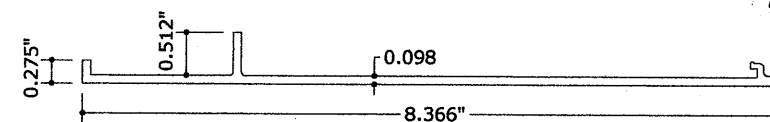
12 BOTTOM GUIDE OSX TRACK



30 BI-PART THRESHOLD



8 HEADER ADAPTER



6 HEADER FACEPLATE

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No 12-1101.01  
Expiration Date FEB 01, 2017  
*Frank L. Bennardo*  
Product Date Product Control

FRANK L. BENNARDO, P.E.  
#P0046549  
11/05/2012  
STATE OF FLORIDA  
ENGINEERING  
160 SW 12th AVENUE, #1105  
DEERFIELD BEACH, FL 33442  
Ph: (954) 354-0660 FAX: (954) 354-0000  
WWW.ENGEXP.COM  
A FRANK L. BENNARDO, P.E., INC. INNOVATION

**DORMA AUTOMATICS**  
924 SHERWOOD DRIVE  
LAKE BLUFF, ILLINOIS 60044  
WWW.DORMA-USA.COM

**DORMA**  
ESA 300 SERIES  
AUTOMATIC SLIDING GLASS DOORS  
(LARGE MISSILE IMPACT RESISTANT)

| REMARKS               | DRWN | CHKD | DATE     |
|-----------------------|------|------|----------|
| INT ISSUE             | AML  | CL   | 05/09/06 |
| ECO COMMENTS          | AML  | CL   | 11/06/06 |
| 2007 FBC              | RKB  | CL   | 01/16/08 |
| 2010 FBC              | KL   | FLB  | 03/09/12 |
| REVISE FOR PANIC HDWR | KL   | FLB  | 11/03/12 |

05-DOA-0004  
SCALE: N.T.S. 04  
PAGE DESCRIPTION:  
4